UNITED STATES COURT OF APPEALS FOR THE ELEVENTH CIRCUIT

CENTER FOR BIOLOGICAL DIVERSITY,

Petitioner,

V.

UNITED STATES
ENVIRONMENTAL PROTECTION
AGENCY; and

Case No. 25-10515

LEE ZELDIN, in his official capacity as Administrator of the United States Environmental Protection Agency,

Respondents.

RESPONDENTS' NOTICE OF FILING OF CERTIFIED INDEX TO THE ADMINISTRATIVE RECORD

Pursuant to Federal Rule of Appellate Procedure 17(b)(1)(B), Respondents hereby submit the attached certified index to the administrative record for the United States Environmental Protection Agency's final action taken under the Clean Air Act, entitled "Notice of Approval for Other Use of Phosphogypsum." 89 Fed. Reg. 104,535 (Dec. 23, 2024), that is the subject of the petition for review in the above-captioned case.

Dated: April 15, 2025.

Respectfully submitted,

ADAM R.F. GUSTAFSON Acting Assistant Attorney General Environment & Natural Resources Division

/s/ Mario A. Luna
MARIO A. LUNA
United States Department of Justice
Environment & Natural Resources Division
Environmental Defense Section
P.O. Box 7611
Washington, D.C. 20044
(202) 305-0733
Mario.Luna@usdoj.gov

Counsel for Respondents

CERTIFICATE OF SERVICE

I hereby certify that the foregoing Respondents' Notice of Filing of Certified Index to the Administrative Record has been filed with the Clerk of the Court for the United States Court of Appeals for the Eleventh Circuit this 15th day of April, 2025, using the CM/ECF System, which will electronically serve all counsel of record registered to use the CM/ECF system.

/s/ Mario A. Luna Mario A. Luna

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CERTIFIED INDEX TO THE ADMINISTRATIVE RECORD

I, Andrea Cherepy, am the acting Director of the Radiation Protection

Division, within the Office of Radiation and Indoor Air, within the Office of Air

and Radiation of the United States Environmental Protection Agency (EPA).

I certify to the best of my knowledge and belief that the attached index lists the documents constituting the administrative record for the final action entitled "Notice of Approval for Other Use of Phosphogypsum," 89 Fed. Reg. 104,535 (Dec. 23, 2024), that is the subject of the petition for review in the above-captioned case.

Dated this 15 day of April 2025.

ANDREA CHEREPY Digitally signed by ANDREA CHEREPY Date: 2025.04.15 16:34:45 -04'00'

ANDREA CHEREPY

Acting Director
Radiation Protection Division
Office of Radiation and Indoor Air
Office of Air and Radiation
U.S. Environmental Protection Agency

United States Environmental Protection Agency (EPA) "Notice of Approval for Other Use of Phosphogypsum" 89 Fed. Reg. 104,535 (Dec. 23, 2024) Administrative Record Index

Docket No. EPA-HQ-OAR-2024-0446

Notes: Certain documents are not available on the electronic docket. The EPA has provided hyperlinks to these documents in the index below. Many of these documents have been posted to the EPA's Phosphogypsum webpage: https://www.epa.gov/radiation/phosphogypsum. Such documents are labeled "*Available on EPA's website*" and include the above hyperlink to the material. In addition, certain documents that had already been posted to Docket No. EPA-HQ-OAR-2020-0442 are available at https://www.regulations.gov/docket/EPA-HQ-OAR-2020-0442. Such documents are labeled "*Available at Docket ID EPA-HQ-OAR-2020-0442*" and include the above hyperlink to the material. Copyrighted materials that are not already publicly available are not posted in the online docket. Such materials are labeled "*Copyrighted*" in this index. A copy of all such materials has been retained as part of the EPA's record for this action.

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| 2.2 | February 7, 2024 Response to EPA Questions from Mosaic | |
| 2.2.1 | Attachment: Report: Beneficial Use of Mosaic Phosphogypsum, Prepared for Mosaic Fertilizer, LLC, February 7, 2024. Author: Timothy G. Townsend et al., University of Florida. | 02/07/202 4 |

| 2.2.2 | Attachment: Report: Phosphogypsum for Secondary Road Construction. Report prepared by University of Miami, Florida Institute of Phosphate Research, Publication Numbers 01-033-077, 01-041-077, June 1989. | |
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| 2.2.3 | Attachment: Jiahui Men, Yiming Li, Peifeng Cheng, Zhanming Zhang, "Recycling phosphogypsum in road construction materials and associated environmental considerations: A review", Heliyon, Volume 8, Issue 11, 2022, e11518. *Copyrighted* | |
| 2.2.4 | Attachment: Kate D. Weiksnar, Kyle A. Clavier, Nicole M. Robey, Timothy G. Townsend, "Changes in trace metal concentrations throughout the phosphogypsum lifecycle", Science of The Total Environment, Volume 851, Part 1, 2022, 158163. *Copyrighted* | |
| 2.2.5 | Attachment: Kate D. Weiksnar, Timothy G. Townsend, "Enhancing the chemical performance of phosphogypsum as a road base material by blending with common aggregates", Resources, Conservation and Recycling, Volume 200, 2024,107300. *Copyrighted* | |
| 2.2.6 | Attachment: Kate D. Weiksnar, Kyle A. Clavier, Steven J. Laux, Timothy G. Townsend, "Influence of trace chemical constituents in phosphogypsum for road base applications: A review", Resources, Conservation and Recycling, Volume 199, 2023. *Copyrighted* | |
| 2.2.7 | Attachment: Raja Zmemla, Mounir Benjdidia, Ikram Naifar, Chaouki Sadik, Boubaker Elleuch, Ali Sdiri. "A phosphogypsum-based road material with enhanced mechanical properties for sustainable environmental remediation", Environ Prog Sustainable Energy, 2022, Volume 41, Issue 1, e13732. *Copyrighted* | 02/07/202 |
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| 3.3.1 | Attachment: Jiahui Men, Yiming Li, Peifeng Cheng, Zhanming Zhang, Recycling Phosphogypsum in Road Construction Materials and Associated Environmental Considerations: A Review, Journal, Open Access, November 1, 2022. | |
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| 3.21.5 | Attachment: Potential Uses Of Phosphogypsum And Associated Risks, Background Information Document, [402-R92-002] Air and Radiation, USEPA May 1992. | 11/23/202 4 |

| 3.21.6 | Attachment: Technical Review of the Fertilizer Institute Risk Assessment for Additional Use of Phosphogypsum in Road Base, prepared by SC&A, Inc. for Office of Radiation and Indoor Air, USEPA, June 10, 2020. | 11/23/202 4 |
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| 3.21.7 | Attachment: A Long-Term Study of Radon and Airborne Particulates at Phosphogypsum Stacks in Central Florida, [EPA 520/5-88-021], Eastern Environmental Radiation Facility USEPA, October 1988. | 11/23/202 4 |
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| | Additional Supporting Documents | |
| 4.1 | U.S. Environmental Protection Agency. Potential Uses of Phosphogypsum and Associated Risks: Background Information Document, EPA 402-R92-002, May 1992. *Available at Docket ID EPA-HQ-OAR-2020-0442* | |
| 4.2 | U.S. Environmental Protection Agency. "Applying to EPA for Approval of Other Uses of Phosphogypsum: Preparing and Submitting a Complete Petition Under 40 CFR 61.206, A Workbook." December 2005. *Available on EPA's Website* | 12/2005 |
| 4.3 | EPA Radiogenic Cancer Risk Models and Projections for the U.S. Population EPA 402-R-11-001. April 2011. *Available at https://www.epa.gov/system/files/documents/2025-03/bbfinalversion 508-d.pdf* | |
| 4.4 | U.S. Environmental Protection Agency. <i>Methodology for Evaluating Beneficial Uses of Industrial Non-Hazardous Secondary Materials</i> . EPA 530-R-16-011, April 2016. *Available at https://www.epa.gov/sites/default/files/2016-10/documents/methodology_for_evaluating_beneficial_use_of_secondary_materials_4-14-16.pdf | 04/2016 |

| 4.5 | U.S. Environmental Protection Agency. Beneficial Use Compendium: A Collection of Resources and Tools to Support Beneficial Use Evaluations. EPA 530-R-16-009, June 2016. *Available at https://www.epa.gov/sites/default/files/2016-10/documents/beneficial use compendium text and appendix 6-22-16.pdf * | 06/2016 |
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| 4.6 | Original TFI Request for Approval of Additional Uses of Phosphogypsum Pursuant to 40 C.F.R. § 61.206. *Available at Docket ID EPA-HQ-OAR-2020-0442* | 10/15/201 9 |
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| 4.8 | Appendix 3 Metals Risk Screening: Exponent, Human Health Risk Screening for Metal and Metalloids: Phosphogypsum in Road Construction, 2019. *Available at Docket ID EPA-HQ-OAR-2020-0442* | 10/15/201 9 |
| 4.9 | Appendix 5 The Fertilizer Institute. Supplement to the October 11, 2019 TFI Phosphogypsum Reuse Petition: 2019 Radium-226 Results for U.S. Phosphogypsum Stacks. *Available at Docket ID EPA-HQ-OAR-2020-0442* | 12/05/201 9 |
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| 4.16 | Technical Review of The Fertilizer Institute Risk Assessment for Additional Use of Phosphogypsum in Road Base. Prepared for U.S. Environmental Protection Agency, Office of Radiation and Indoor Air by SC&A. *Available at Docket ID EPAHQ-OAR-2020-0442* | 06/10/202 0 |
| 4.17 | U.S. Environmental Protection Agency Review of the Radiological Risk Assessment in Support of Petition for Beneficial Use of Phosphogypsum Prepared for the Fertilizer Institute. *Available at Docket ID EPA-HQ-OAR-2020-0442* | |
| 4.18 | Withdrawal of Approval for Use of Phosphogypsum in Road Construction Federal Register Volume 86, No. 127, July 7, 2021, 35795. *Available on EPA's website* | 07/07/202 1 |
| 4.19 | Email from Jonathan Walsh to Karen Bennett on September 9, 2022, requesting additional details related to laboratory tests, groundwater monitoring, and soil monitoring. | |
| 4.20 | Letter from Patrick Kane to Jonathan Walsh: "Response to EPA September 9, 2022, Request for Information; Small-Scale Pilot Project" | 12/20/202 2 |